



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090862

**Mode:** Highway

**Status:** Submitted

### US-21

**From/Cross Street:** I-77

**Specific Improvement Type:** 16 - Modernize Roadway

**To:** Iredell County Line

**Project Category:** Regional Impact

**Length:** 11.36

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$29,412,000

**Description:**

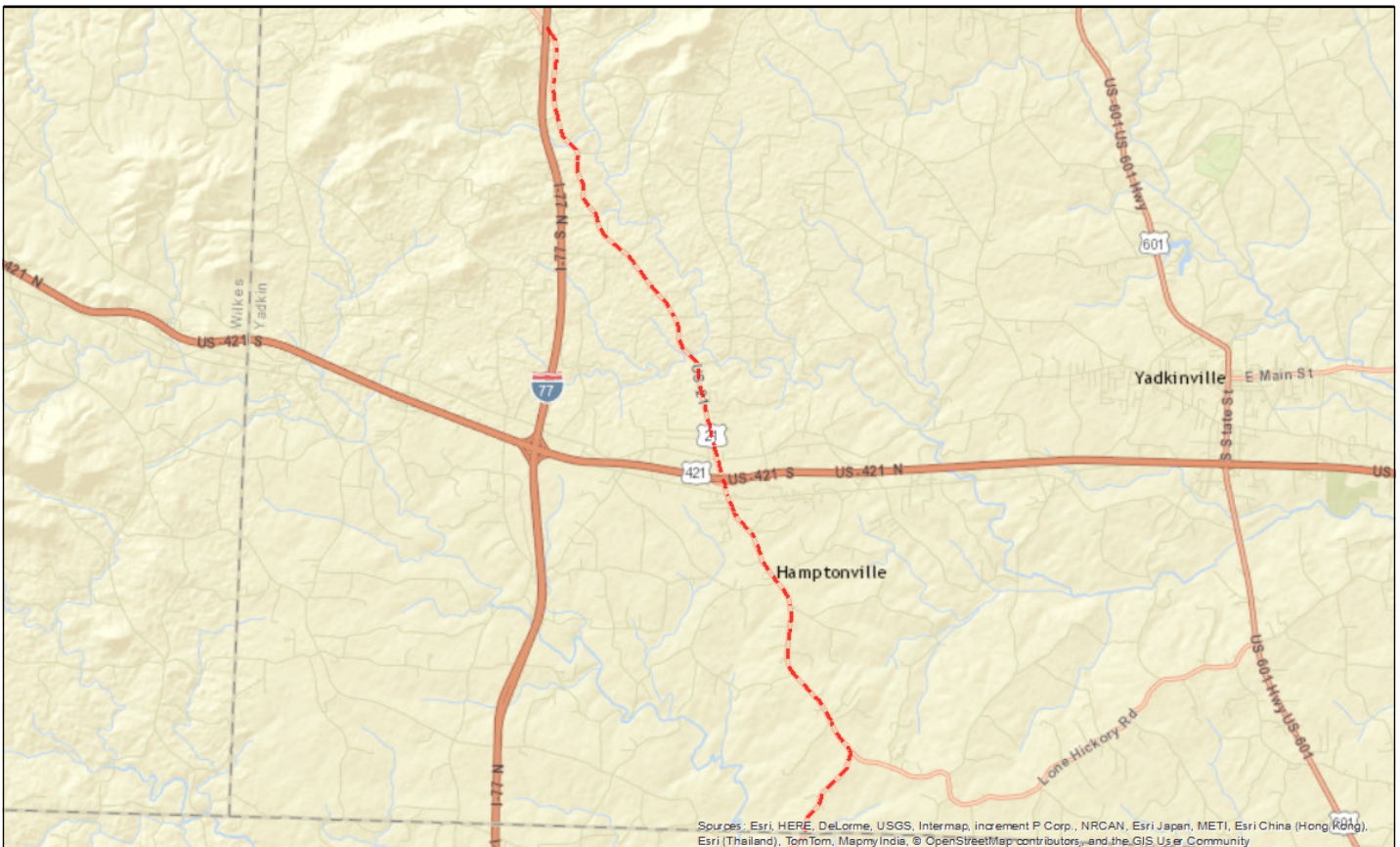
Widen Lanes to 2 12-Foot Lanes with 2 Foot Shoulder.

**Division(s):** Division 11

**County(s):** YADKIN

**MPOS(s)/RPO(s):** Northwest Piedmont RPO

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 24.45**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 9.00	Percent: 15%	Percent: 15%
Safety (10%) 50.62	Points: 0	Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 21.41		
<b>Totals: Weight: 70% Weighted Score: 9.45</b>		

**Division Needs Total Score: 6.86**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 9.00	Percent: 25%	Percent: 25%
Safety (10%) 50.62	Points: 0	Points: 0
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 6.86</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	11.36
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	2107.8
Capacity:	15500.08
Volume/Capacity Ratio:	0.14
% Autos:	94%
% Trucks:	6%
Truck Volume:	127.08
Crash Density:	47.2
Crash Severity:	47.2
Critical Crash Rate:	57.47
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	30
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	78
Actual Congested Speed:	48.11
Travel Time Index:	1.14

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	11.36
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 11	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Northwest Piedmont RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$29,412,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$29,412,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$29,412,000</b>	